

Mouse Monoclonal Antibody to

yes (N-terminus)

clone 2B8

Order No.: 0169-100/yes-2B8

Size (µg) 100

Lot No.: 0169S



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02/160307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human	WB, ELISA	59 kDa	A431	N-terminus	peptide conjugated to hemocyanin

Background and Specificity:

Yes is a member of a family of 9 tyrosine kinases regulating cellular responses to extracellular stimuli. Yes, src and fyn are ubiquitously expressed while the other members are primarily expressed in hematopoietic cells. Each protein tyrosine kinase (PTK) contains three domain (SH1, SH2, SH3). The SH1 domain has PTK activity, while the SH2 and SH3 domains are involved in mediating protein-protein interactions by binding phosphotyrosine- containing and proline-rich motifs. By means of SH2-phosphotyrosine binding, PTKs are able to associate with activated receptor protein tyrosine kinases, e.g. platelet-derived growth factor (PDGFR)- and epidermal growth factor (EGF)- receptor.

Mab yes-2B8 specifically recognizes yes at 59 kDa in Western blot and is also suitable for ELISA applications.

Related Products

mab to src (pTyr 416)
#0080-100/src-9A6

mab to src (N-terminus)
#0170-100/src-11F1

Purification:	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.
Formulation:	lyophilized from 1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose.
Reconstitution:	Reconstitute with 1 ml H ₂ O (15 min, RT).
Stability:	For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

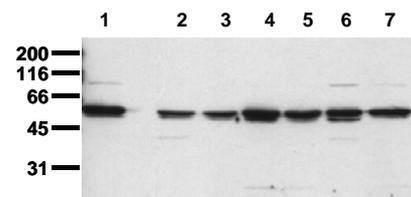
Avoid repeated freeze / thaw cycles.

Positive Control:	#0831: Cell lysate from untreated A431 cells
Immunoblotting:	0.5 µg/ml for HRPO/ECL detection Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Immunoprecipitation: ND

Immunocytochemistry: ND

ELISA: use at 0.05 µg/ml



Detection of endogenous yes

Whole cell extracts of vanadate treated tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab yes-2B8 (0.5 µg/ml) for 1h at RT and developed by ECL (exp. time: 30 sec). lane 1: A431; lane 2: SW480; lane 3: SW620; lane 4: HT29; lane 5: MCF-7; lane 6: MDA231; lane 7: T47D

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.